

Safe conductivity measurement of the humidification water –

with the conductometer CM1 !

Conductivity measurements are used where the ingredients of watery media have to be examined, Determination of conductivity is an easy method to control fully-demineralizing systems (mixed bed ion exchanger – reversal osmosis).

Mineral-free and mineral-weak water is used for various applications today. In laboratories for chemical analyses and to prepare solutions, in electronics for the production of printed circuits and semiconductors, for the production of pharmaceutical products or fine chemicals and also for the conditioning of room air with humidity.

The humidification water must be mineral-weak. So it is prevented that the minerals soluted in natural water are transported into the room in the humidification process.



Minerals conduct electricity, pure water is an insulator. Minerals can cause considerable damage in electrical/electronics systems and produce mineral dust on their surfaces.

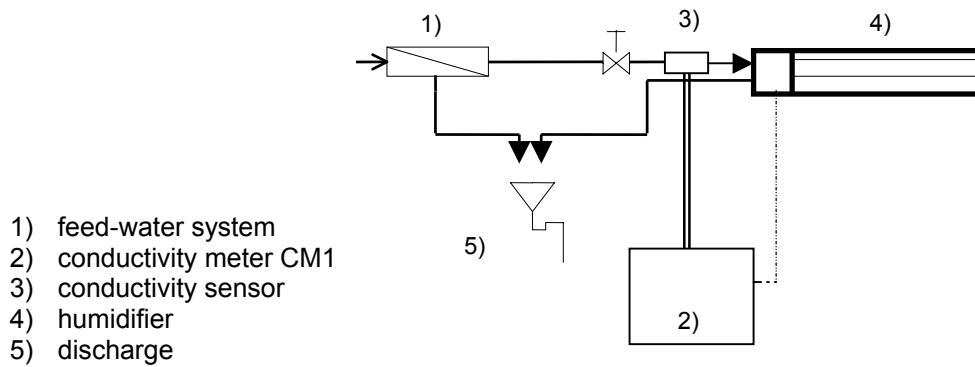
Permanent measurement of the conductivity of the humidification water is done quickly and effectively with the new conductometer CM 1. It was designed especially of the AIRWIN ultrasonic humidifiers and provides profitable and sufficiently exact determination of the conductivity.

TECHNICAL DATA

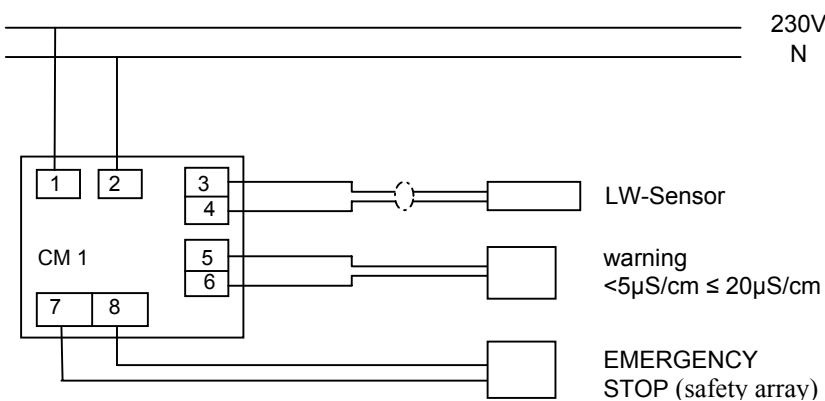
voltage	V/Hz	230V / 50Hz	
weight	kg	1,7	
conduct.-display		LED	
conduct. ranges			
green	μS/cm	> 0 ≤ 5	
yellow	μS/cm	> 5 ≤ 20	warning activated
red	μS/cm	> 20	EMERGENCY STOP is activated
output			
warning		yes	
EMERGENCY STOP		yes	
load		max. 5A / max. 150W – 30VDC / max. 600VA – 250VAC	
conduct. sensor			
housing		PVC	
electrodes		V4A stainless steel	
cable length	m	2	
quality	mm ²	2 x 0,25, protected LiYCY	
connection		hose screw connections for hose/tube D/d=10/8mm	

Order no. **77 032 04**

SYSTEM PLAN:



CONNECTION PLAN:



Our ultrasonic humidifiers are available in many types for different applications.

Subject to technical changes / date of issue 05.2004

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